



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application. No:	10/624,394
Filed:	July 22, 2003
Inventor(s):	Troy L. Stockstad
Title: Temperature-to-Digital Converter	

Examiner:	Young, Brian K.
Group/Art Unit:	2819
Atty. Dkt. No:	5707-03200

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Jeffrey C. Hood

5/26/2004

Date

Signature

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant requests consideration of  the references listed on the attached Form PTO-1449 and/or  the additional information identified below in paragraph 3. The above-referenced application was filed after June 30, 2003, therefore we are not required to submit a copy of the U.S. patent document references A1-A10 listed on the Form PTO-1449. A copy of references A11-A17 listed on the Form PTO-1449 is enclosed.

## 1. This Information Disclosure Statement is submitted:

- a.  within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);  
 within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;  
 before the mailing date of a first Office Action on the merits; or  
 before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

- b.  after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus:  the certification of paragraph 2 below is provided, or  a fee of \$180.00 is enclosed below.
- c.  after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed below.

2. It is hereby certified:

- that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
  - that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3.  Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- reference is made to an English language translation submitted herewith, and/or
  - reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
  - reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
  - reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or
  - reference is made to the concise explanation set forth below:
5.  Applicant also offers the following comments for the Examiner's consideration:
6.  Also enclosed is a copy of a foreign search report citing these references.
7.  The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8.  Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

Applicant does not believe that any fees are required relating to this Information Disclosure Statement. The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment to Meyertons, Hood, Kivlin, Kowert & Goetzel PC, Deposit Account No. 50-1505/5707-03200/JCH.

Respectfully submitted,



Jeffrey C. Hood  
Reg. No. 35,198  
Attorney for Applicant(s)

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Date: 5/26/2004

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DOCKET NO: 5707-03200 		SERIAL NO: 10/624,394		
			APPLICANT: Stockstad				
			FILING DATE: July 22, 2003		GROUP: 2819		
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	3,672,215	6/27/72	Stout et al.			
	A2	3,679,992	7/25/72	Yerman			
	A3	4,228,684	10/21/80	Templin			
	A4	5,195,827	3/23/93	Audy et al.			
	A5	5,419,637	5/30/95	Frye et al.			
	A6	5,982,221	11/9/99	Tuthill			
	A7	6,008,685	12/28/99	Kunst			
	A8	6,097,239	8/1/00	Miranda, Jr., et al.			
	A9	6,554,469	4/29/03	Thomson et al.			
	A10	6,554,470	4/29/03	Zhang et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	A11	DE003637520	5/5/88	Germany			
	A12	EP000498799	5/16/91	PCT			
	A13	EP000741860	11/13/96	EP			
	A14	GB002292221	2/14/96	United Kingdom			
EXAMINER:			DATE CONSIDERED:				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.							

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EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
A15	Shen-Whan Chen; Trung Duong; Min-Yih Luo; "Channel Temperature Measurement Using Pulse-Gate Method," IEEE Transactions on Microwave Theory and Techniques, Vol. 47, No. 3, March 1999, pp. 362 – 365.						
A16	Kaliyugavaradan, S.; Sankaran, P.; Murti, V.G.K.; "Application Of Reciprocal Time Generation Technique To Digital Temperature Measurement," IEEE Transactions on Instrumentation and Measurement, Vol. 43, No. 1, February 1994, pp. 99 – 100.						
A17	Cao Hui; Huang Junnai; "Circuit Design and Implementation for Digital Temperature and Humidity Measurement and Control," ASIC, 2001. Proceedings. 4th International Conference on Oct. 23-25 2001, pp.502 – 505.						
EXAMINER:			DATE CONSIDERED:				
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